

LIQUID EFFLUENT

Test Area North/Technical Support Facility (TAN/TSF) Sewage Treatment Plant (STP) Results for 2004

The WLAP for TAN/TSF STP (LA-000153-01) requires that the effluent (TAN-655) be sampled monthly for the following parameters:

TAN/TSF Effluent (TAN-655)	
Daily flow	Total coliform
Total Kjeldahl nitrogen	Fecal coliform
Nitrate + nitrite as nitrogen	Chromium
Biochemical oxygen demand	Fluoride
Total phosphorus	Lead
Total dissolved solids	Iron
Total suspended solids	Manganese
Ammonium as nitrogen	Mercury
Chloride	Selenium
Arsenic	Sodium
Silver	Sulfate
Barium	Zinc

The permit for the TAN/TSF STP effluent (TAN-655) sets concentration limits for total nitrogen at 20 mg/L and total suspended solids (TSS) at 100 mg/L. Total nitrogen is calculated from the reported total Kjeldahl nitrogen and nitrate + nitrite as nitrogen results. The permit specifies a flow limit of 34 million gallons/permit year. For the TAN/TSF STP, the permit year runs from November 1 through October 31. At the end of the June 2004, the total permit year flow measured by the flow meter was approximately 6.9 million gallons.

During the first quarter of 2004:

- All permit-required parameters for the effluent (TAN-655) were within historical ranges.
- There were no permit noncompliances.

The following graphs present results of sampling performed since 2003 for those parameters with set concentration limits.

FOR MORE INFORMATION

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